

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A computer-implemented method ~~comprising: for administrating data objects in an information technology architecture comprising a plurality of data objects and a plurality of applications, wherein each application processes at least one of the data objects, the plurality of data objects being subject to changes, and wherein:~~

~~entries representative of data objects are registered in a first data structure;~~

~~entries representative of applications are registered in a second data structure, each entry comprising specifying data objects whose changes are relevant for the respective application;~~

~~the method performing the following:~~

~~receiving a notification ~~notifications~~ regarding registered a data object ~~objects~~ as to changes of indicating a change to the data objects ~~object~~;~~

~~upon each receipt of [[a ]]the notification, getting-requesting changed data from the ~~notifying~~ data object;~~

~~checking, by an agent executed by a computer system, among the registered applications, a plurality of entries representative of a plurality of applications maintained by the agent to determine whether the change ~~changed data~~ is relevant for each individual application in the plurality of applications,~~

~~notifying an application about the ~~change~~ if the change is relevant for that application; and~~

~~transmitting the ~~relevant~~ changed data to the application.~~

2. (Currently Amended) The method of claim 1, further comprising:

~~expecting-receiving a confirmation of changes from [[an]]the application after transmitting the changed data to the application.~~

3. (Currently Amended) The method of claim 2, further comprising:

~~triggering a mechanism if an ~~expected conformation~~ the confirmation of the changed data is not received from the application.~~

4. (Currently Amended) The method of claim 1, further comprising:

registering ~~an entry~~ entries of sub-objects a sub-object, ~~[[a]]~~ the sub-object being a set of data which is changed in dependence on ~~[[a]]~~ the change of a key to the data object.

5. (Currently Amended) The method of claim 4, further comprising:

transmitting ~~the relevant-changed~~ sub-object data to the application after notifying the application.

6. (Currently Amended) The method of claim 1, ~~further comprising~~ wherein specifying data objects whose changes are relevant for the respective application comprises:

~~receiving-determining~~ a list of fields ~~whose~~ with changes ~~that~~ are relevant for the ~~respective~~ application.

7. (Currently Amended) The method of claim 1 further comprising:

filtering out data from the changed data objects ~~whose changes are not to be~~ communicated to ~~[[an]]~~ the application, prior to transmitting ~~the relevant-changed~~ the changed data to the application.

8. (Currently Amended) The method of claim 1, ~~wherein~~ further comprising:

registering ~~entries~~ an entry representative of the application; ~~and applications includes:~~  
specifying ~~which changes of a~~ a type of change to the data object ~~are that is~~ relevant for the application.

9. (Currently Amended) The method of claim 1 further comprising:

registering ~~the entries of~~ an entry for the data objects-object and the application ~~applications~~ in a customization structure of ~~an~~ the agent.

10. (Currently Amended) The method of claim ~~[[1]]~~ 9, wherein ~~an~~ the entry for ~~[[an]]~~ the data object comprises:

- an ID representative of the data object;
- an ID representative of ~~[[the]]~~ a key of the data object;
- a flag representative of an activity;
- an ID representative of ~~[[the]]~~ a key structure of the data object; and
- an ID of ~~[[the]]~~ a wrapper class.

11. (Currently Amended) The method of claim ~~[[1]]~~2, wherein ~~an~~the entry for ~~an~~the application comprises:

- an ID representative of the application;
- a flag representative of an activity; and
- an ID representative of ~~[[the]]~~an expected structure of notification.

12. (Currently Amended) The method of claim ~~[[1]]~~4, wherein ~~an~~the entry for ~~[[a]]~~the sub-object comprises:

- an ID representative of the sub-object;
- an ID representative of ~~[[the]]~~a key data object;
- an ID representative of ~~[[the]]~~a structure of the data object; and
- an ID representative of ~~[[the]]~~an object key object.

13. (Currently Amended) The method of claim 1, wherein ~~[[a]]~~the data object represents one of a location, a location-product, and a transportation lane in a context of a business application.

14. (Currently Amended) ~~A computer-implemented framework for administrating data objects in an object-oriented computer program environment comprising a plurality of data objects, a plurality of methods for processing data objects, and a plurality of computer program applications, wherein each application makes use at least one of the data objects, whereby the data objects are subject to changes, the framework computer system comprising:~~

an agent executed by the computer system for administrating changes of data objects, the agent ~~being configured to:~~ register entries ~~an entry~~ representative of a data objects ~~object~~ in a first data structure; to register entries ~~an entry~~ representative of an application ~~applications~~ in a second data structure, ~~each~~ the application entry comprising specifying the data objects ~~object~~ whose changes are relevant for the ~~respective~~ application; to call a first method by ~~a data object~~ the agent to notify the ~~agent~~ application ~~about~~ about a changes ~~change~~ of the ~~calling to the~~ data object; to call a second method by the agent to ~~changed~~ obtain data from the ~~notifying~~ data object; to call a third method by the agent to check, ~~among the registered applications,~~ whether the ~~change to the data object~~ change is relevant for the application, ~~s,~~ and notify each application about the change if the change is relevant for the application; and to call a fourth method by the agent to transmit the relevant changed data to the application after notifying the application.

15. (Currently Amended) The computer system framework of claim 14, wherein the agent is ~~further to: present-generates~~ a first input interface to allow for registering the ~~entries-entry~~ representative of ~~the data objectsobject~~, and ~~present-generates~~ a second input interface to allow for registering the ~~entries-entry~~ representative of ~~the application~~applications.

16. (Currently Amended) The computer system framework of claim 14, wherein the agent is ~~further to: expect to-receives~~ a confirmation of changes from ~~[[an]]the~~ application after transmitting the relevant changed data to the application.

17. (Currently Amended) The computer system framework of claim 16, wherein the agent ~~further to: triggers~~ a mechanism if ~~an expected conformation~~ the confirmation is not received from the application.

18. (Currently Amended) The computer system framework of claim 14, wherein the agent is ~~further to: registers an entry-entries~~ of ~~a sub-objects~~sub-objects, ~~[[a]]the~~ sub-object being a set of data which is changed in dependence on a change of a key data object.

19. (Currently Amended) The computer system framework of claim 18, wherein the agent is ~~further to: transmits a~~ the relevant ~~changed-change~~ change to the sub-object data ~~to the application~~ after notifying the application.

20. (Currently Amended) The computer system framework of one of claims 14, wherein the agent is ~~further to: maintains~~ a list of fields whose changes are relevant for the respective application.

21. (Currently Amended) The computer system framework of one of claims 14, wherein the agent is ~~further to: filters~~ out data ~~objects-whose changes are~~ from the relevant changed data that is not to be communicated to ~~an~~ the application, prior to transmitting the relevant changed data to the application.

22. (Currently Amended) The computer system framework of one of claims 14, wherein ~~registering entries representative of applications includes specifying the entry representative of~~ the application specifies which changes of ~~[[a]]the~~ data object are relevant for the application.

23. (Currently Amended) The ~~computer system framework~~ of one of claims 14, wherein the ~~entries-entry of the data objects-object~~ and ~~applications-the application~~ are registered in a customization structure of the agent.

24. (Currently Amended) The ~~computer system framework~~ of one of claims 14, wherein an entry for ~~[[an]]the data~~ object comprises:

- an ID representative of the data object;
- an ID representative of ~~[[the]]a~~ key of the data object;
- a flag representative of an activity;
- an ID representative of ~~[[the]]a~~ key structure of the data object; and
- an ID of ~~[[the]]a~~ wrapper class.

25. (Currently Amended) The ~~computer system framework~~ of one of claims 14, wherein ~~[[an]]the~~ entry for ~~[[an]]the~~ application comprises:

- an ID representative of the application;
- a flag representative of an activity; and
- an ID representative of ~~[[the]]an~~ expected structure of notification.

26. (Currently Amended) The ~~computer system framework~~ of one of claims 14, wherein an entry for a sub-object comprises:

- an ID representative of the sub-object;
- an ID representative of ~~[[the]]a~~ key data object;
- an ID representative of ~~[[the]]a~~ structure of the data object; and
- an ID representative of ~~[[the]]an~~ object key object.

27. (Currently Amended) The ~~computer system framework~~ of one of claims 14, wherein ~~[[a]]the~~ data object represents one of a location, a location-product, and a transportation lane in a context of a business application.

28. (Currently Amended) ~~The-A non-transitory machine accessible median-medium~~ having instruction stored therein that when executed cause the machine to perform a set of operations comprising:

~~represent-storing a data objects-registered-object entry~~ in a first data structure;

~~represent applications registered~~ storing an application entry in a second data structure,  
~~each the application entry comprising~~ specifying the data objects object whose changes are  
relevant for ~~thean~~ respective application;

~~receive notifications~~ receiving a notification regarding ~~registered the data objects~~  
object as to a change to changes of the data objects object;

upon each receipt of ~~[[a]]~~ the notification, ~~get~~ getting changed data from the  
notifying data object;

~~check~~ checking among a plurality of the registered applications whether the  
change is relevant for each ~~individual application~~ in the plurality of applications,

~~notify an~~ notifying the application about the change if the change is relevant for  
~~that the~~ application; and

~~transmit~~ transmitting the relevant changed data to the application.